

Industry and Agriculture Recommendations

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Common issues

- Encourage energy efficiency
 - Remove existing barriers for new technology
 - Establish incentives to implement new technology
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- Forestry sector recommendations

Encourage energy efficiency

Opportunity:

- California may have as much as 96,000 GWh (26 MMTCO₂e)¹ in savings potential from areas including:
 - Fluorescent lighting
 - High-efficiency air conditioners in all buildings and homes
 - More efficient industrial processes and motor systems

Recommendation:

- The state should encourage all sectors to implement opportunities to reduce energy use through utility sponsored programs, energy audits, and cost effective technologies
 - This includes setting expectations for the largest industry sectors
- Voluntary programs, such as Energy Star, are extremely effective
 - These type of programs allow the cement industry to rate the performance of their manufacturing facilities
 - Voluntary programs have encouraged the development of efficient appliances

¹California's Secret Surplus, 2002 Energy Foundation

Remove existing barriers for new technology

Opportunity:

- The State can significantly expand participation in GHG reduction activities by removing regulatory and bureaucratic barriers

Recommendation:

- California should identify and remove barriers for technologies that have the greatest climate impact
- Examples include:
 - Adopt ASTM C 150-04 standard for Portland cement
 - Each 1% of limestone mixed with Portland cement reduces emissions by an equivalent percentage
 - Allow for the use of net metering for methane digesters
 - Consider net reductions for fire prevention activities
 - Emissions from wildfires are considered natural events even if they were started by human activity. However, activities to prevent wildfires are counted as manmade emissions.

Establish incentives to implement new technology

Opportunity:

- The State can significantly expand participation in GHG reduction activities by providing incentives for technology development

Recommendation:

- The State should consider performance-based incentives to implement new, emerging, or promising low greenhouse gas (GHG) technologies that currently are not cost effective
- Examples include:
 - Provide incentives for the building of concrete houses which are energy efficient
 - Support research that leads to marketable and cost effective products and services

Forestry sector recommendations

- Include the crediting of forest-based greenhouse gas reductions in any multi-sector greenhouse gas cap and trade system that is established
- Establish targets to protect and increase the state's overall forest carbon stocks and implement voluntary landowner incentives to achieve such targets
- Require a CEQA (California Environmental Quality Act) analysis, including an analysis of climate effects, for any proposed conversion of forest land to a non-forest use
- Implement a public education campaign regarding the role of forests in climate change
- Provide research funding for:
 - The impacts of climate change on California's forests
 - CO2 emissions caused by forest land conversion
 - Climate mitigation opportunities/potential on managed forest lands based on increased carbon stocks across the landscape